

FIG. 1A

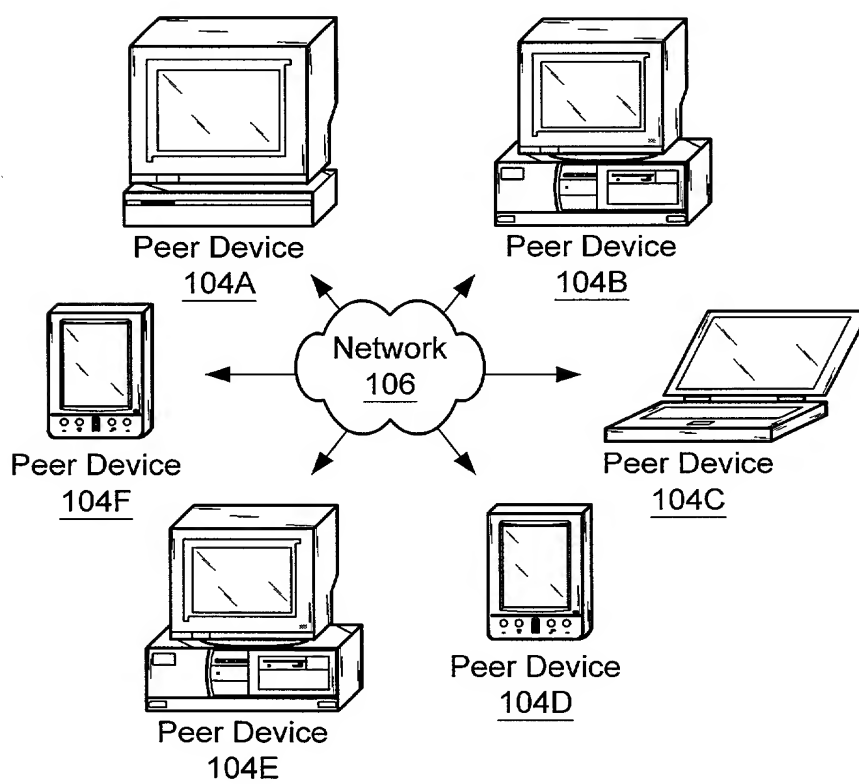


FIG. 1B

This figure is a schematic diagram of a network topology. It shows a central cloud labeled "Network 106" connected to six peer devices. The devices are labeled "Peer Device 104A", "Peer Device 104B", "Peer Device 104C", "Peer Device 104D", "Peer Device 104E", and "Peer Device 104F". The connections are bidirectional, as indicated by the arrows pointing both towards and away from the central network cloud.

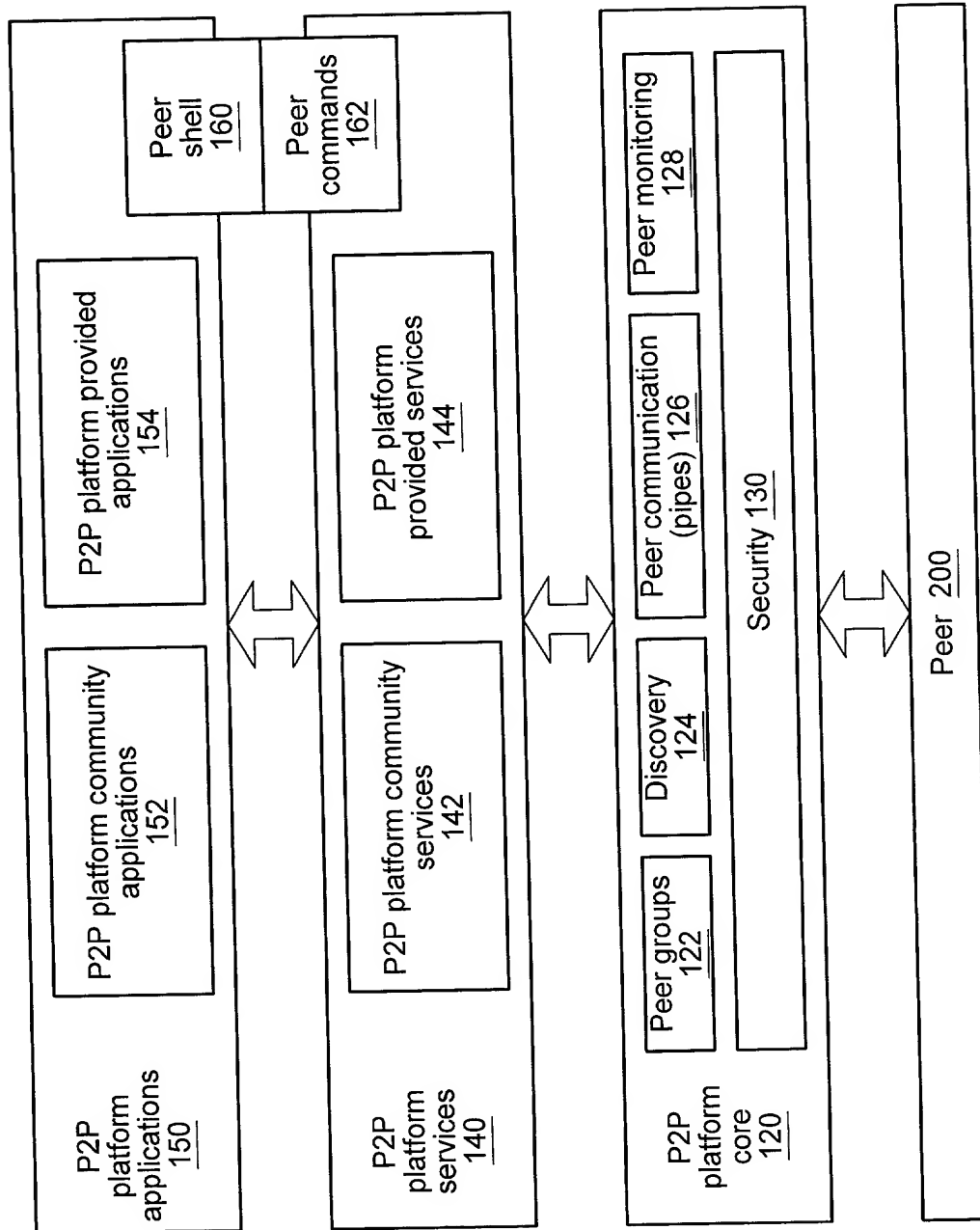


FIG. 2

UUID 170	Length of Remainder 172	Name 174
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FIG. 3

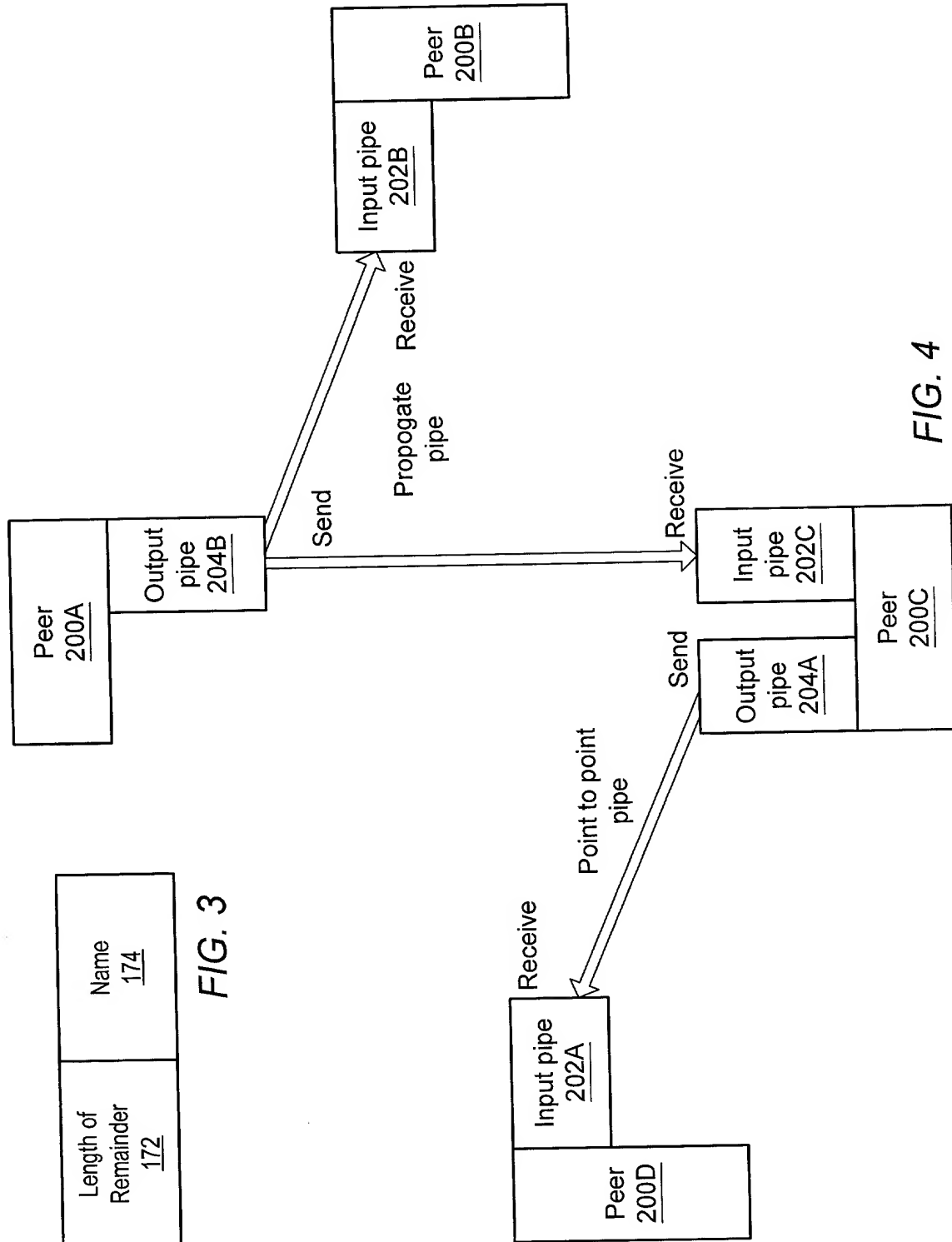


FIG. 4

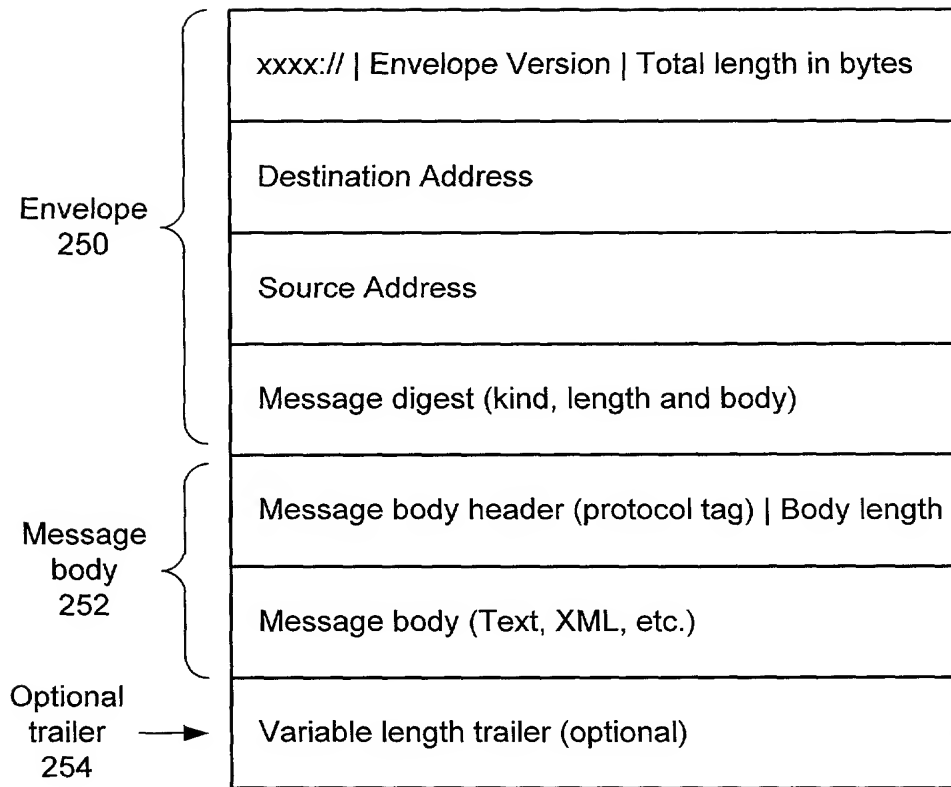


FIG. 5

Element Name (A String)	Element Value Type
Name	<String>
Keywords	<String>
Properties	<Properties>
Service	<Service Advertisement[]> (an array)
Endpoint	<Endpoint Advertisement[]> (an array)

FIG. 6

Element Name (A String)	Element Value Type
Name	<String>
Keywords	<String>
GroupID	<ID>
PeerID	<ID>
Service	<Service Advertisement[]> (an array)

FIG. 7

Element Name (A String)	Element Value Type
Name	<String>
Identifier	<ID>
Type	<String>

FIG. 8

Element Name (A String)	Element Value Type
Name	<String>
Keywords	<String>
Identifier	<ID>
Version	<String>
Pipe	<PipeAdvertisement>
Params	<String>
URI	<String>
Provider	<String>
Access Method	<Method[]> (an array)

FIG. 9

Element Name (A String)	Element Value Type
Mime-Type (Optional)	<String>
Size	Long
Encoding	<String>
ContentID	<ID>
RefID (Optional)	<ID>
Document	<Document>

FIG. 10

Element Name (A String)	Element Value Type
Name	<String>
Keywords	<String>
Address	<String>
Transport	<Transport Advertisement>

FIG. 11

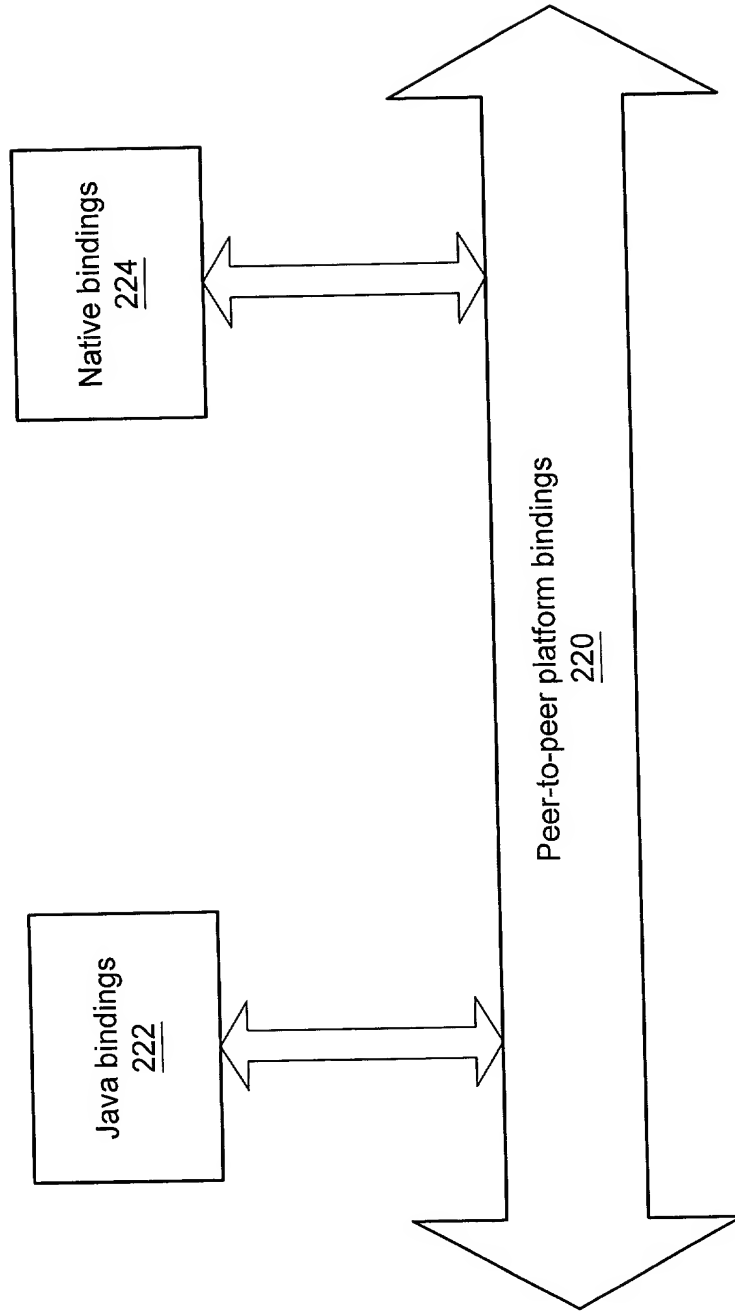


FIG. 12

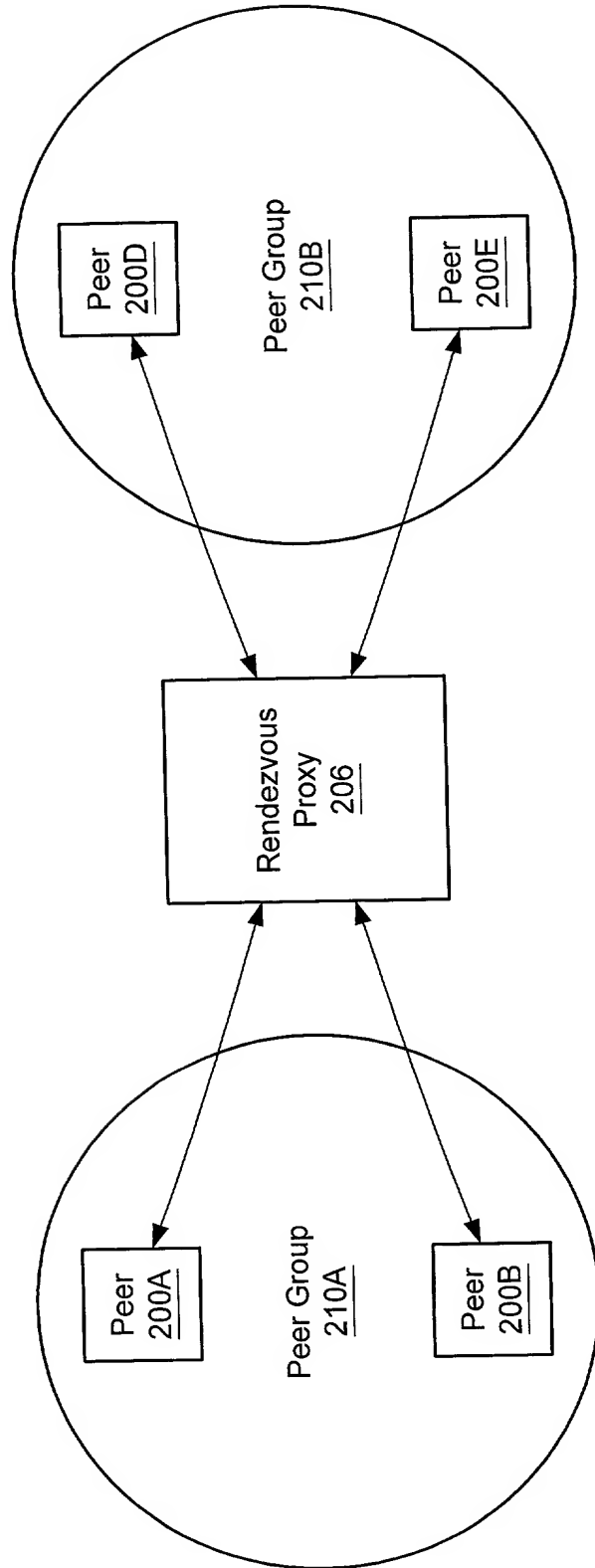


FIG. 13

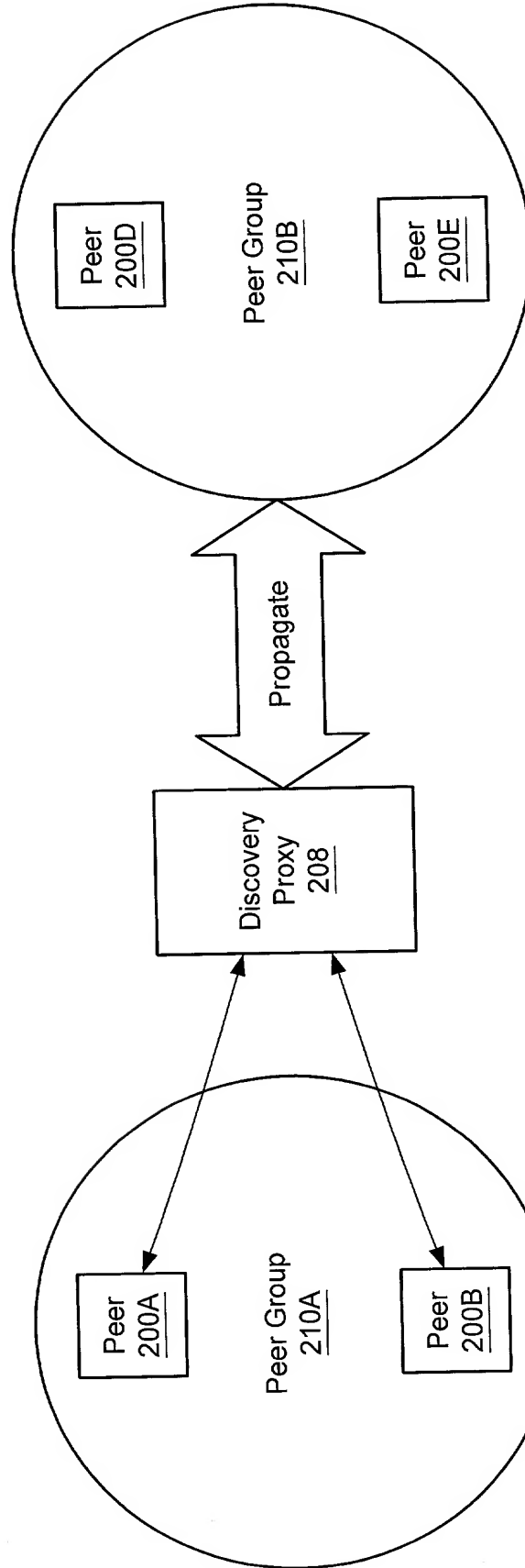


FIG. 14

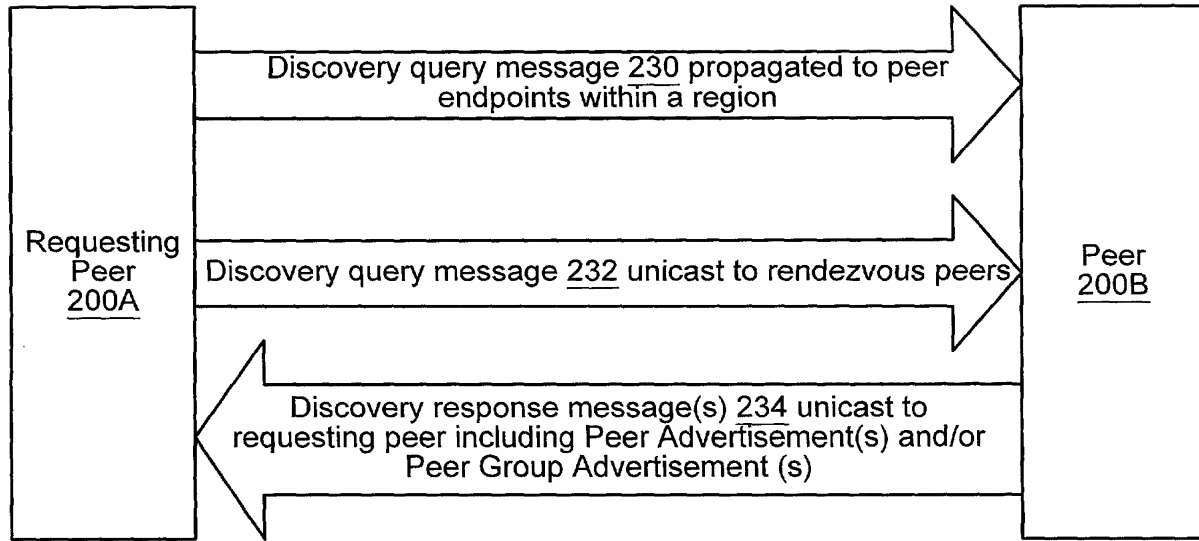


FIG. 15

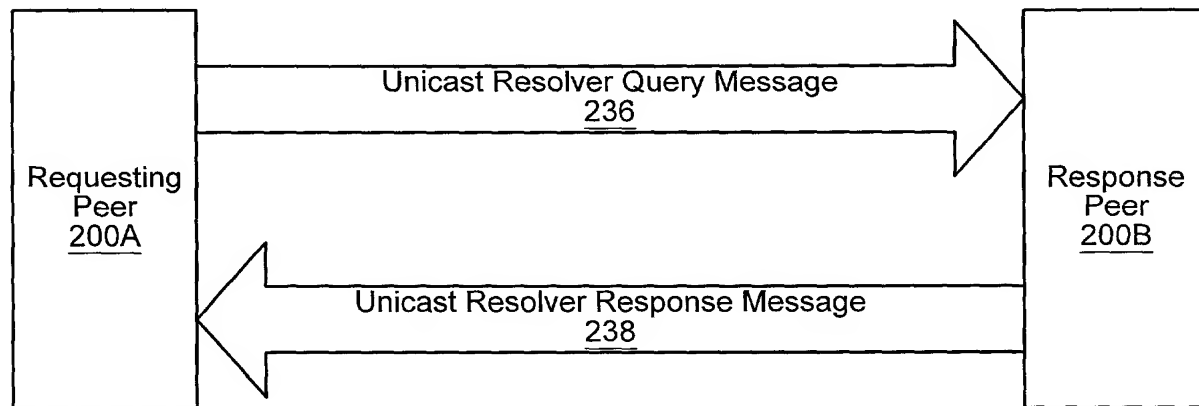


FIG. 16

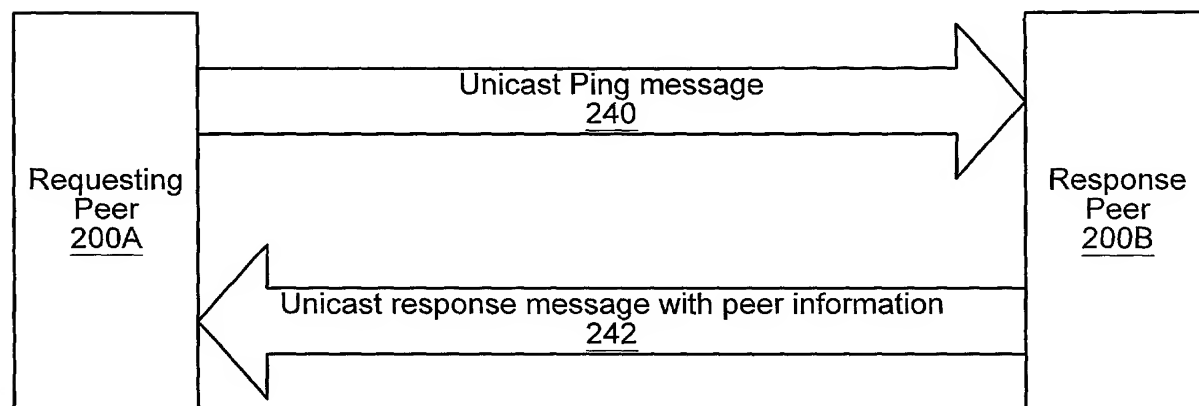


FIG. 17

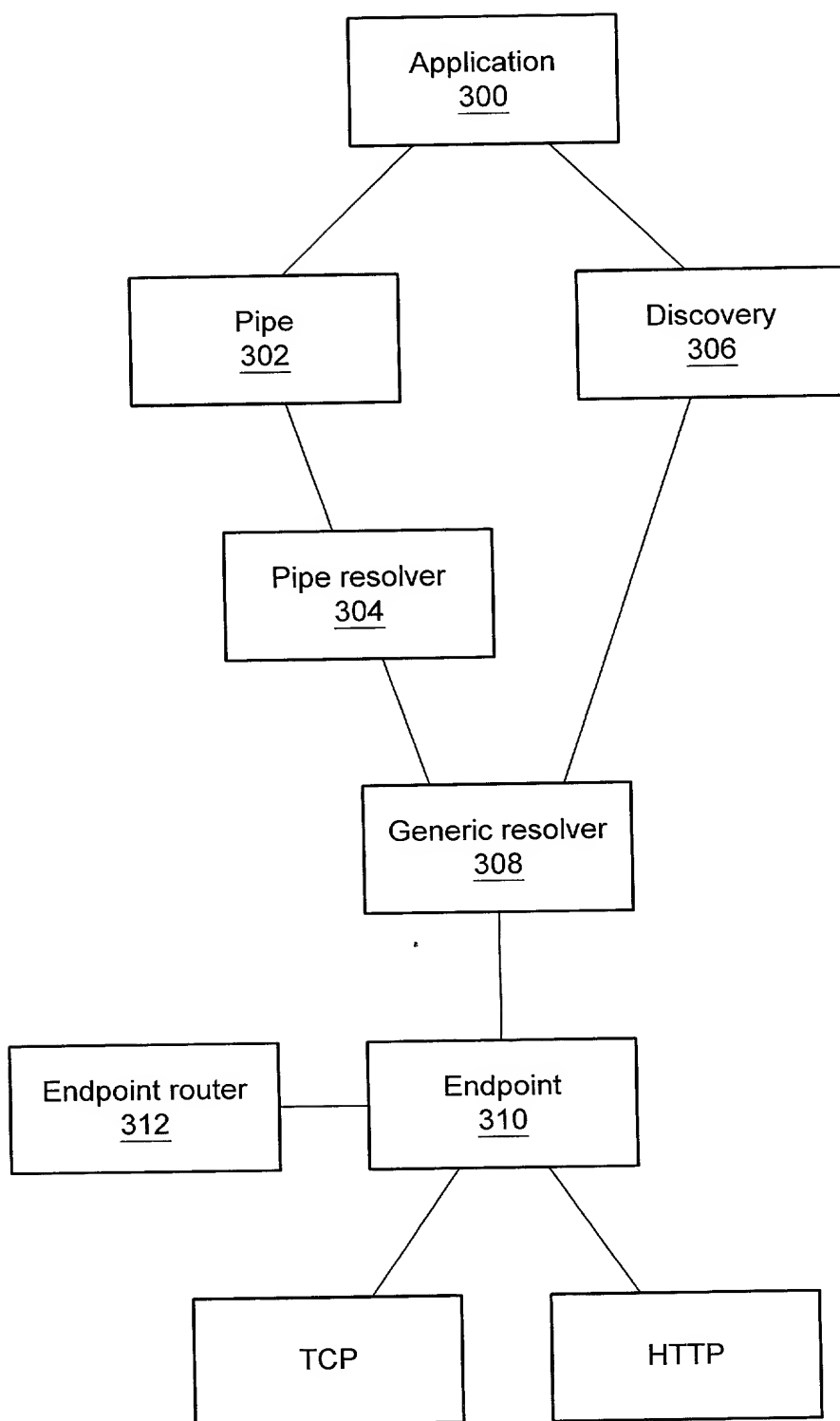


FIG. 18

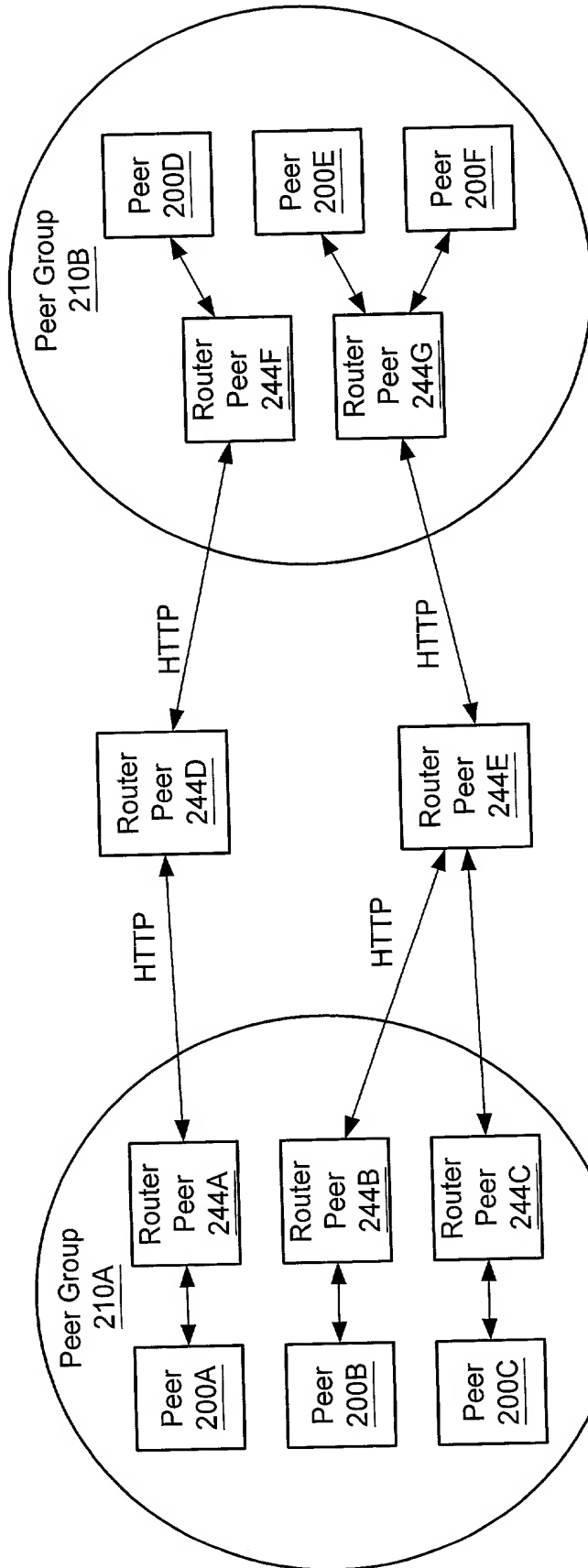


FIG. 19

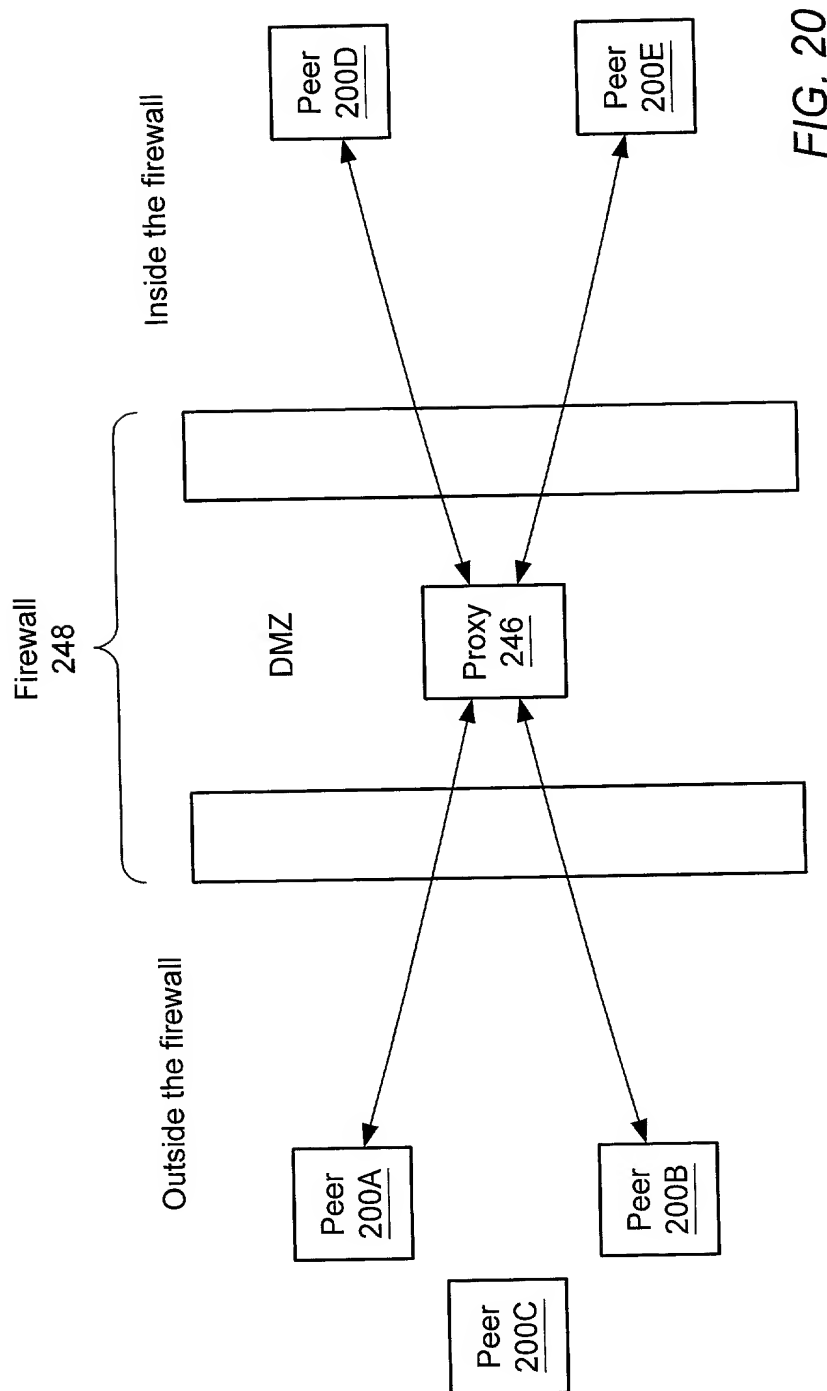


FIG. 20

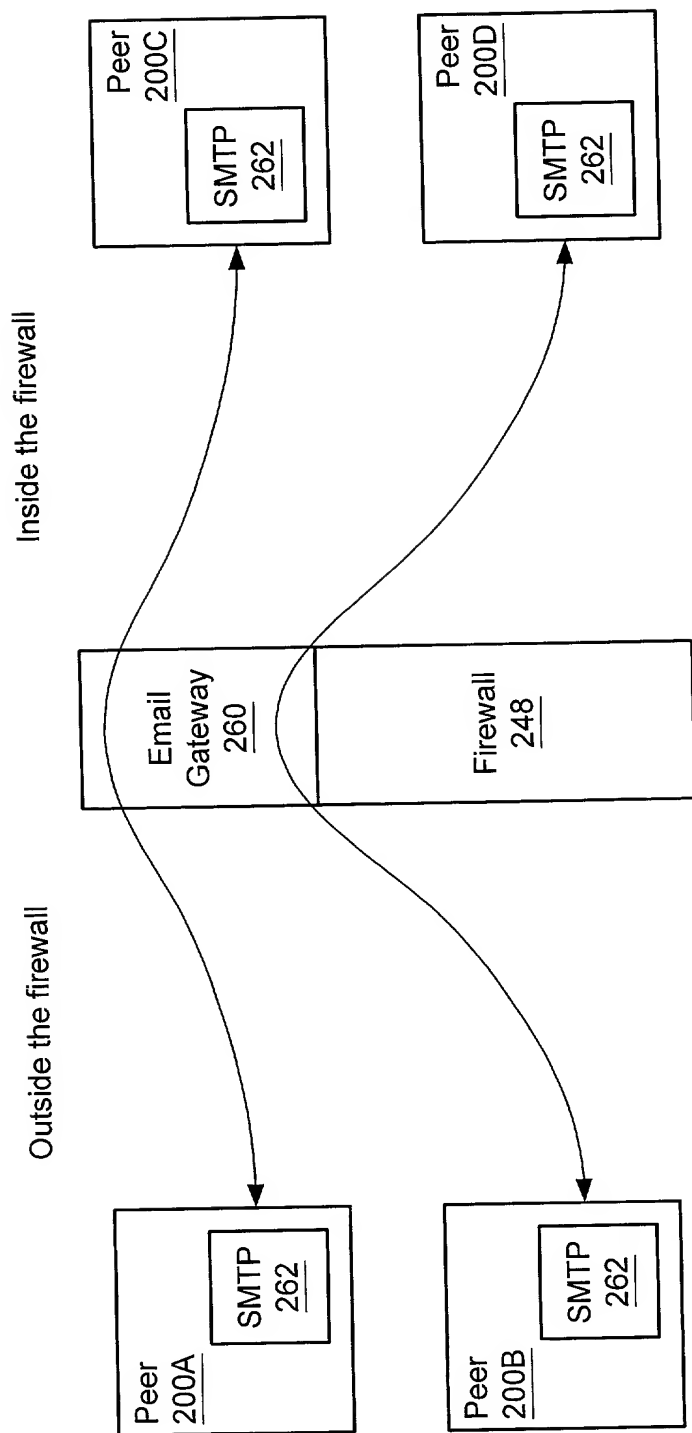


FIG. 21

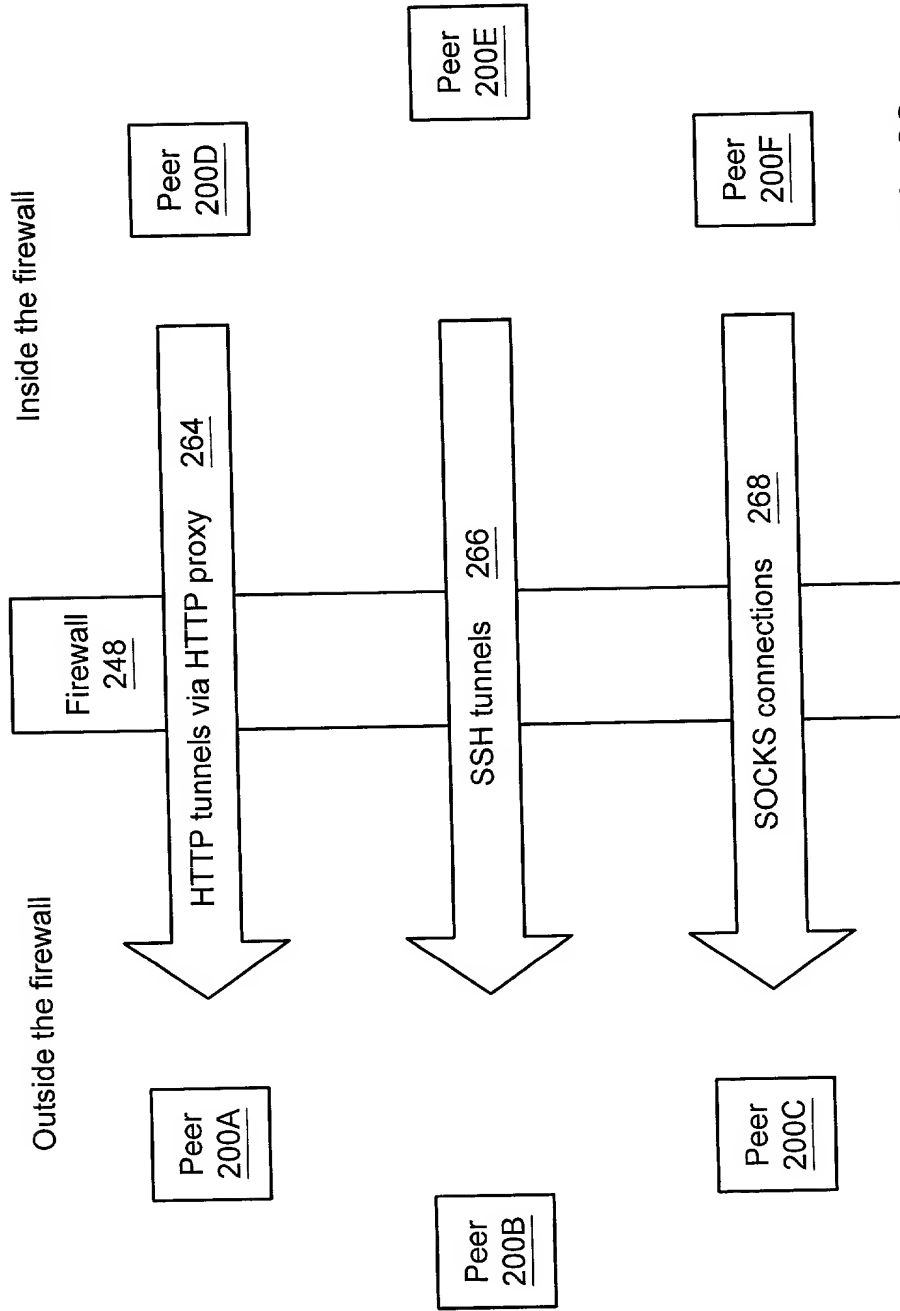


FIG. 22

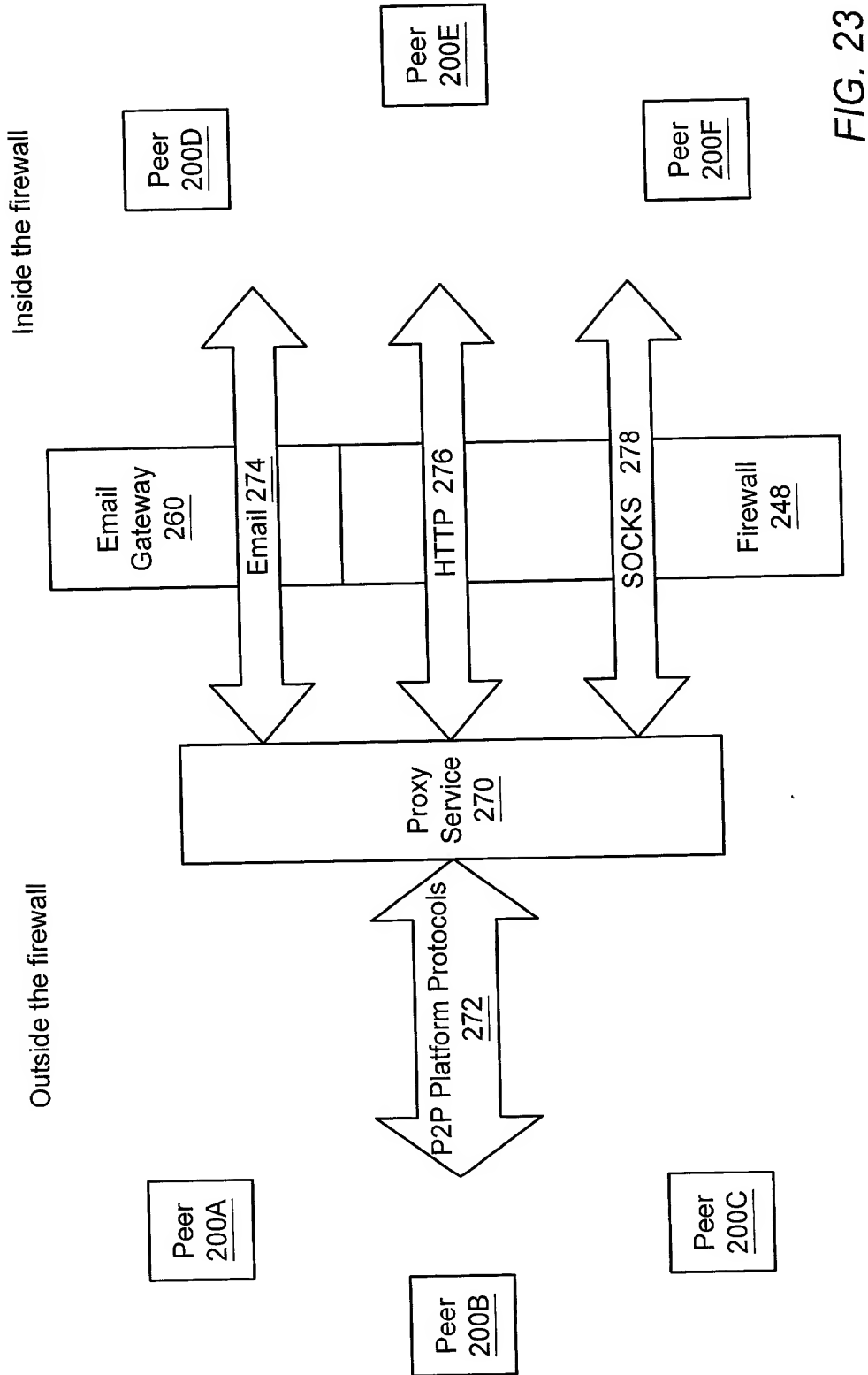


FIG. 23

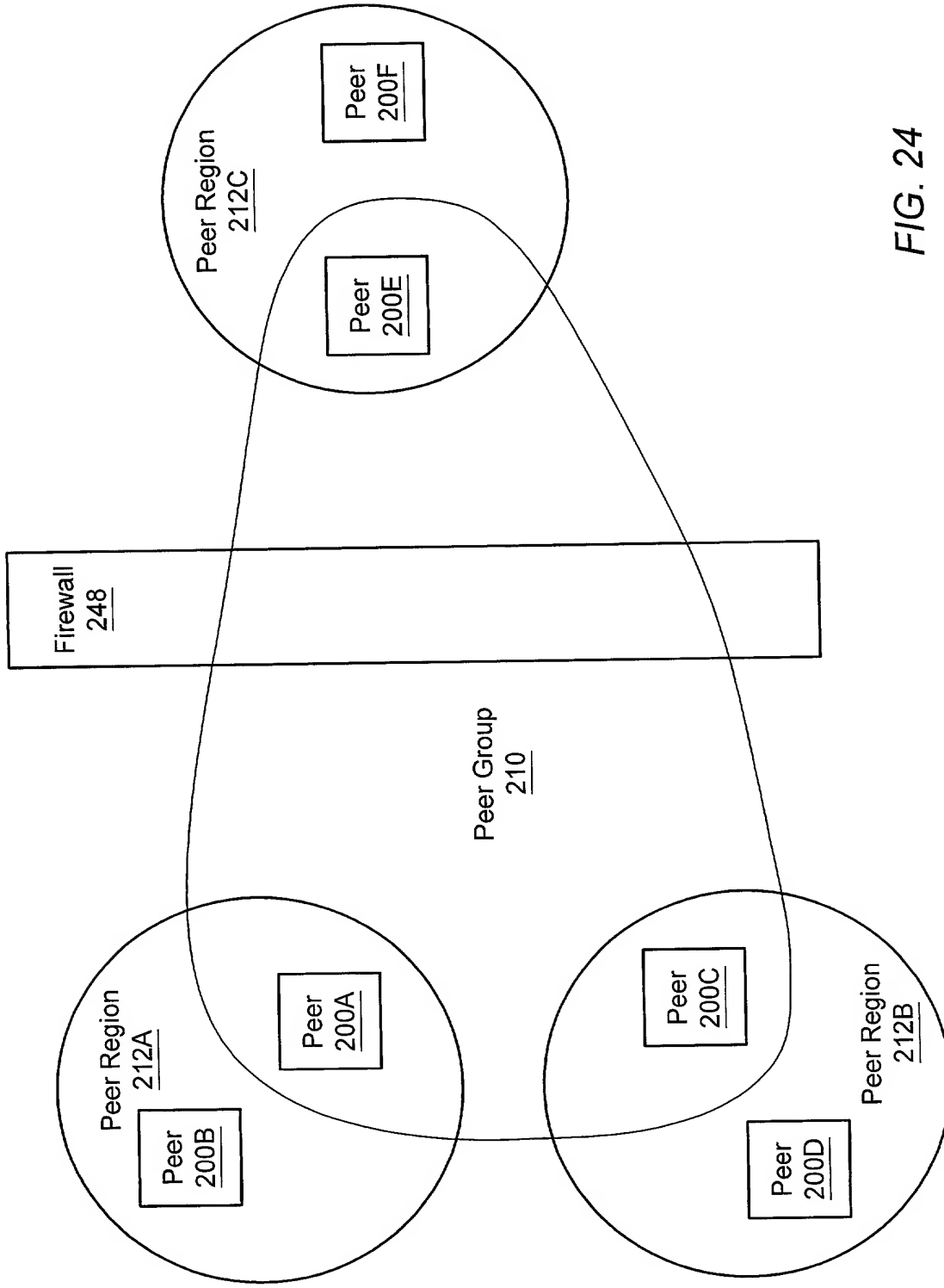


FIG. 24

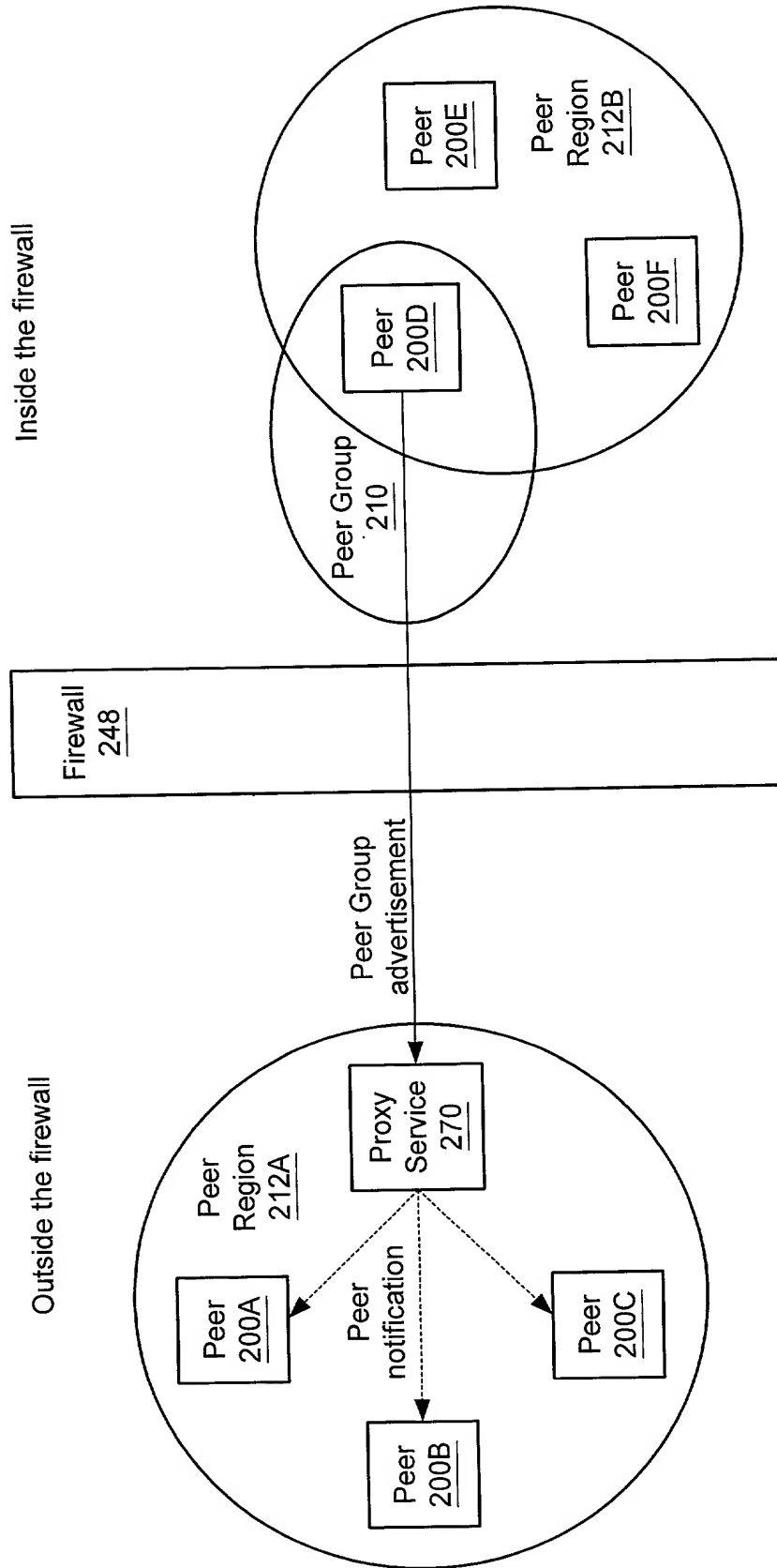


FIG. 25

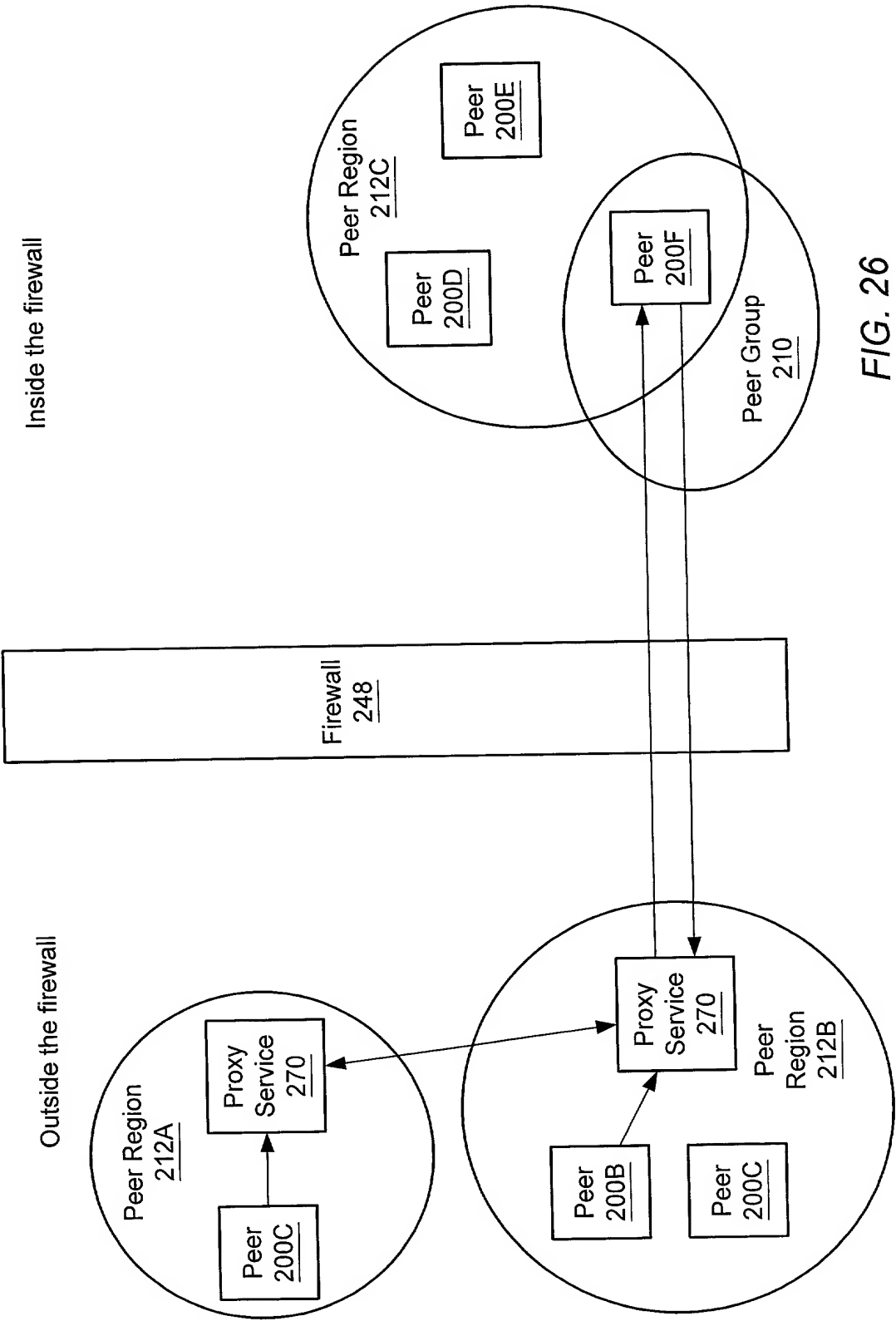


FIG. 26

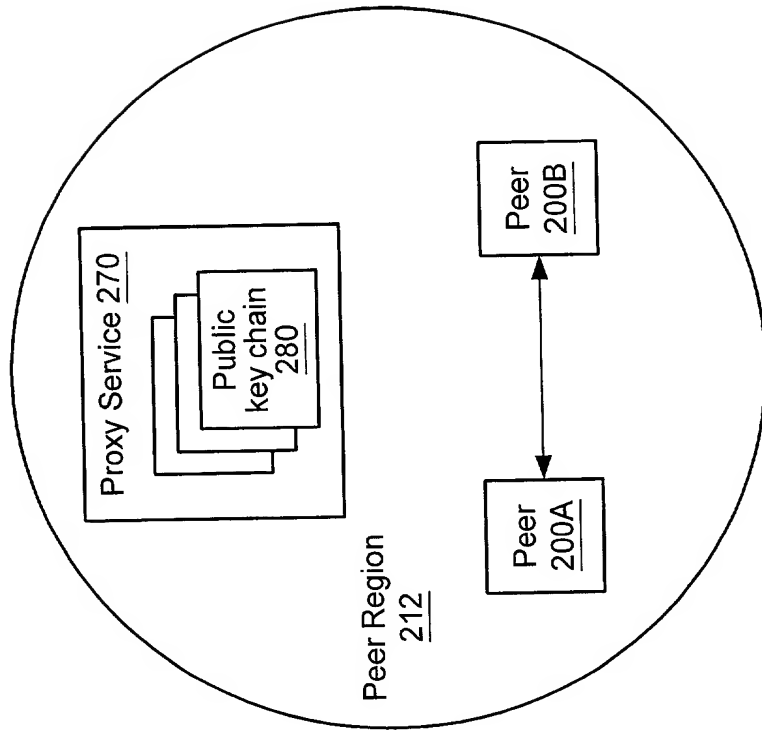


FIG. 27B

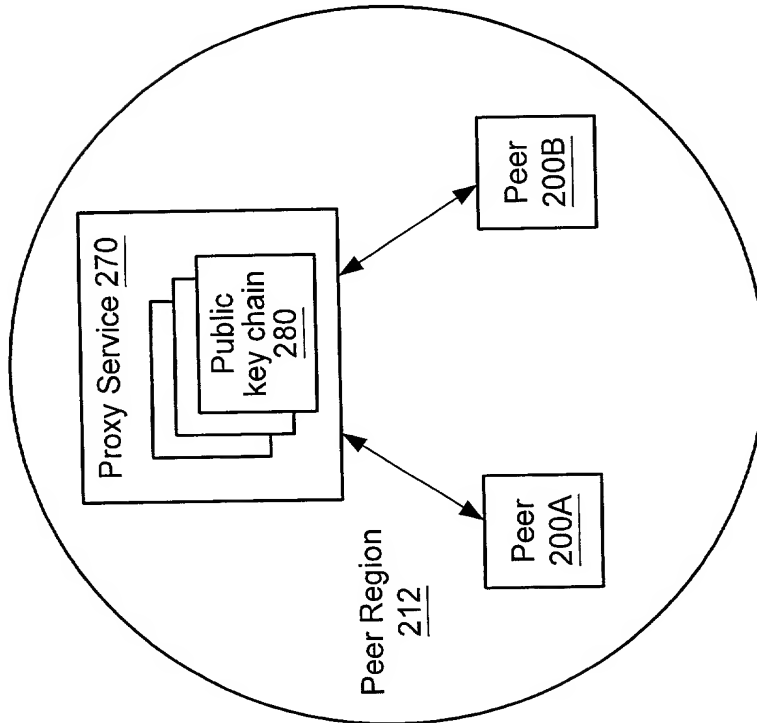


FIG. 27A

FIG. 28A is a diagram of a peer region 212. The peer region 212 includes a proxy service 270 and a public key chain 280. The proxy service 270 is connected to five peers: Peer 200A, Peer 200B, Peer 200C, Peer 200D, and Peer 200E. The public key chain 280 is also connected to these five peers. The peers are arranged in a circular fashion around the proxy service and public key chain.

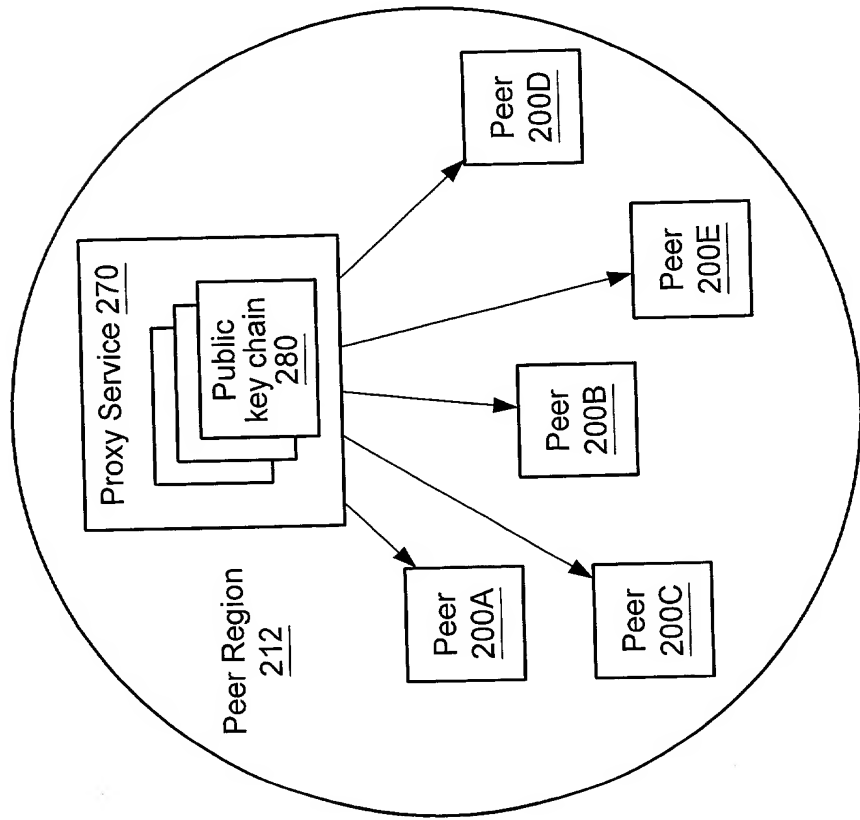


FIG. 28A

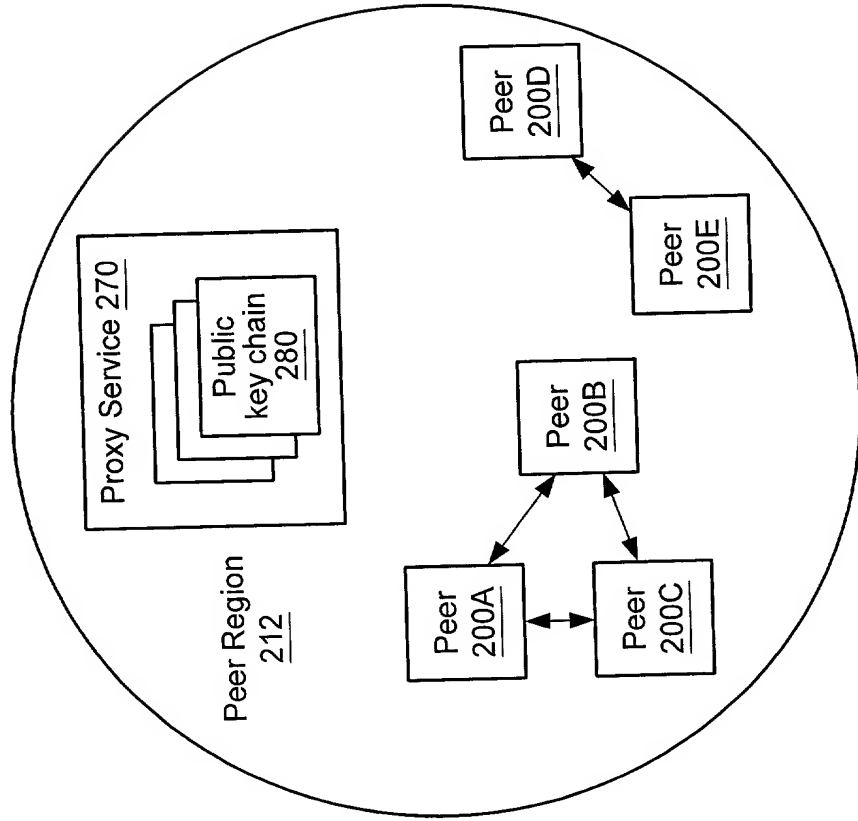


FIG. 28B

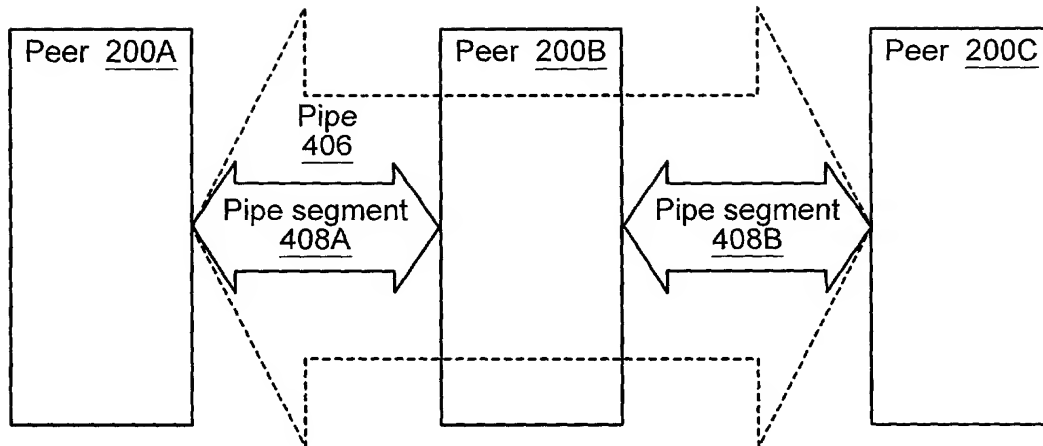


FIG. 29

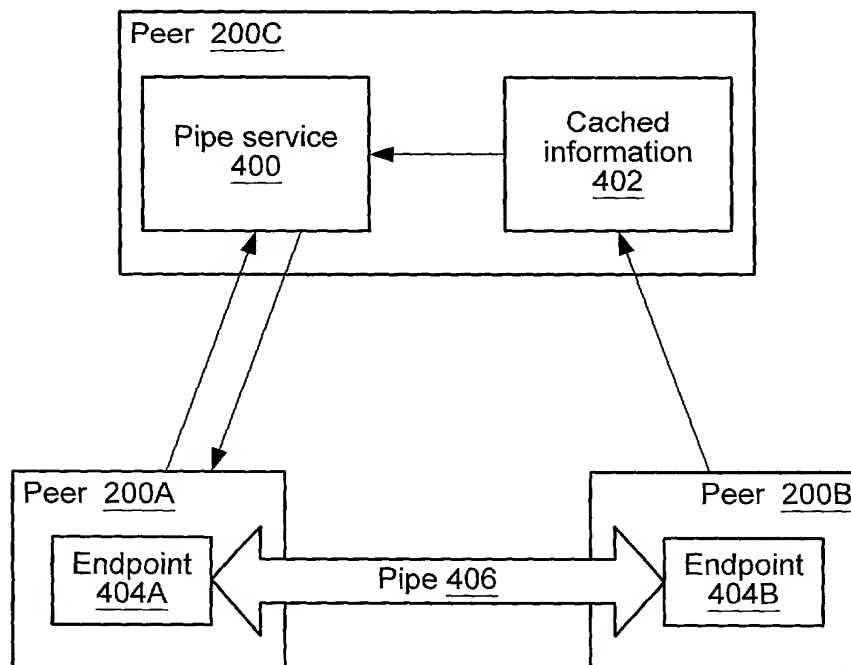


FIG. 30

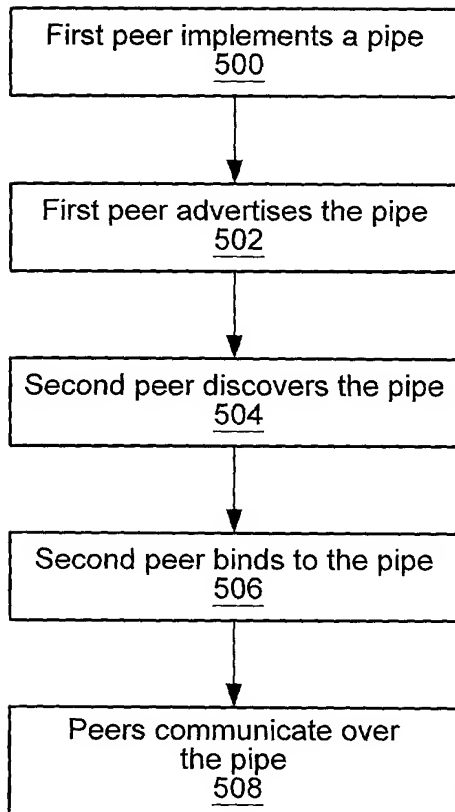


FIG. 31

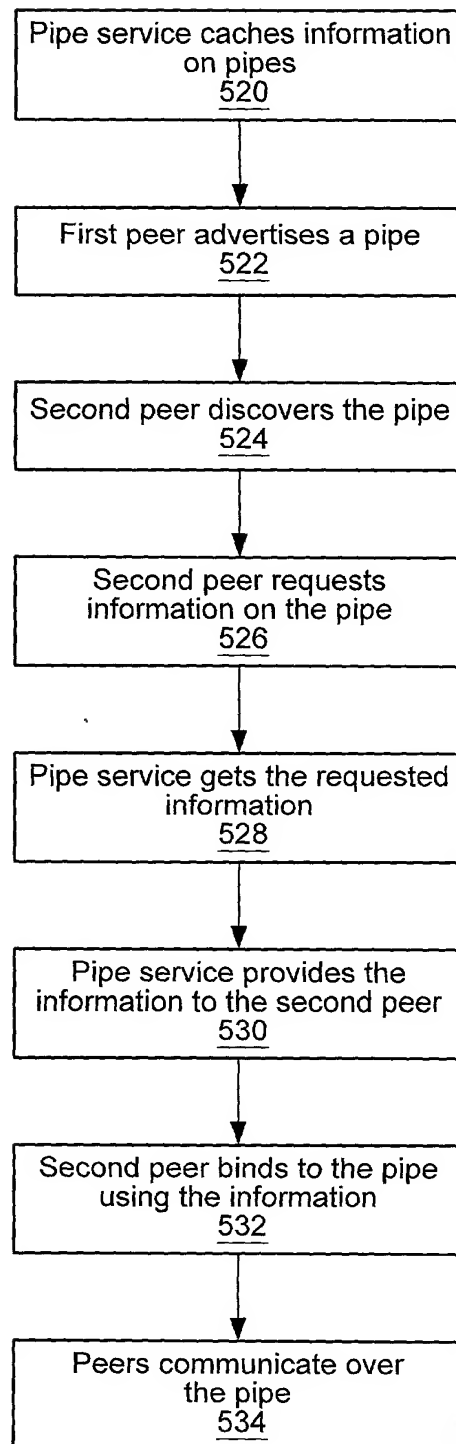
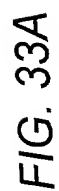


FIG. 32



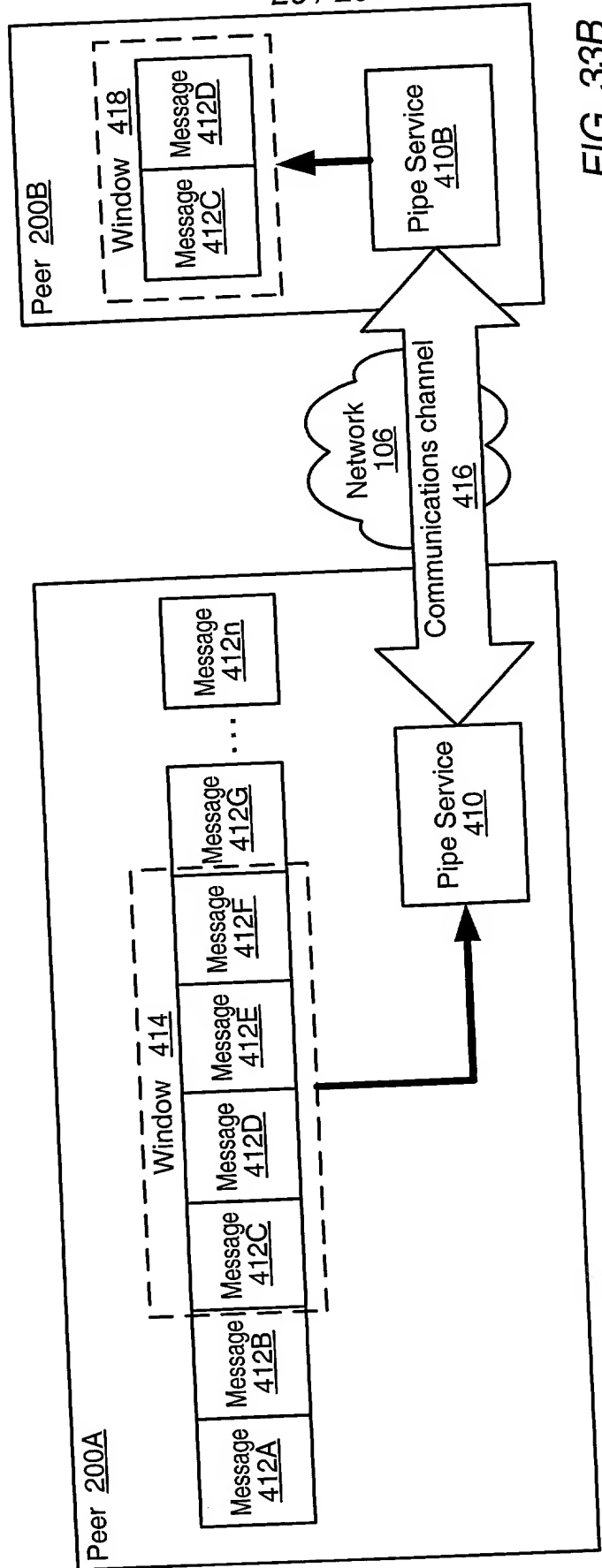


FIG. 33B

